



## **DOE AND EPA COOPERATIVE TECHNOLOGY DEMONSTRATION FIELD ANALYTICAL TESTING OF PCBs**

During the period July 22 to 30, 1997, the U. S. Environmental Protection Agency (EPA) and the U. S. Department of Energy (DOE) will conduct a cooperative evaluation of commercially available field analytical technologies for the determination of polychlorinated biphenyls (PCBs) in environmental media. This demonstration is jointly funded by DOE's Office of Environmental Management and EPA's Environmental Technology Verification (ETV) Program. The demonstration is being coordinated by the Oak Ridge National Laboratory (ORNL), with support from EPA's National Exposure Research Laboratory (NERL), DOE Oak Ridge Operations Office (DOE-ORO), and Lockheed Martin Energy Systems Environmental Management and Toxic Substance Control Act (TSCA) compliance staff. The design of the demonstration is a joint effort of the technology developers, ORNL, DOE, EPA, and the EPA Regions. During the demonstration, six commercial vendors of PCB field testing methods, Dexsil Corporation, Hach Corporation, Ion Signature Technology, Sentex Systems, Strategic Diagnostics Inc., and Viking Instruments, will analyze over 200 blind samples of known and varying PCB concentrations. The environmental samples are PCB-contaminated soils excavated at DOE facilities in Oak Ridge (TN), Paducah (KY), and Portsmouth (OH). Statistical analysis of the results will be used to make precision, accuracy, and sensitivity statements about each technology. Ultimately, the information gained from the demonstration will be used to maximize the use of field testing for PCBs. EPA Region IV, who was involved in the initial planning for this evaluation, has agreed to allow DOE to streamline its TSCA sampling and analysis efforts pending favorable outcomes from the evaluation.

To showcase the technologies, a Visitors Day will be held on Thursday, July 24, 1997 at the demonstration site at ORNL. Those attending will have the opportunity to observe field sample analyses in progress, discuss the technologies with the vendors, and learn more about this and other technology evaluation and deployment initiatives from EPA and DOE program staff. A specific agenda for the Visitors Day is attached. If you are interested in attending this demonstration, please contact Regina Chung of DOE (phone 423-576-9902) or Stephen Billets of EPA (phone 702-798-2232) by July 18.



**AGENDA FOR VISITORS DAY**  
**PCB Technology Demonstration**  
**Thursday, July 24, 1997**  
Oak Ridge National Laboratory, Building 5507

8:00 am to 8:30 am	Badging at ORNL Visitor's Center
9:00 am	Introduction
9:10 am	EPA Environmental Technology Verification Program Overview
9:30 am	DOE Technology Deployment Initiative
9:45 am	PCB Field Technology Demonstration Overview
10:00 am	PCB Regulatory Concentrations
10:15 am to 11:30 am	Developer Presentations
11:30 am to 1:00 pm	LUNCH
1:00 pm to 4:00 pm	Developer Field Demonstrations

**DIRECTIONS TO ORNL:** On Westbound I-40/75, get off at Exit 376, and head northwest on TN-162, the Pellissippi Parkway. Follow TN-162 about 6 - 7 miles, until you merge with TN-62, and go through the little community of Solway. Cross over the Clinch River, and bear to the left. Where the road (TN-62) splits off the right, and goes into the city of Oak Ridge, continue straight, and follow the signs to ORNL. ORNL is about 7 - 8 miles out Bethel Valley Road. As you approach the main site, you will see a large (several stories tall) concrete tower. Go past it and immediately after you pass the swan pond, turn left into the main research area of ORNL. Go to the Visitor Center and pick your entrance badge. A field demonstration team member will escort you to the demonstration site.

## LIST OF LOCAL HOTELS

### Oak Ridge

Comfort Inn  
433 South Rutgers Avenue  
Oak Ridge, TN. 37831  
(423)481-8200 or 1-800-228-5150

Days Inn  
206 South Illinois Avenue  
Oak Ridge, TN. 37831  
(423)483-5615 or 1-800-329-7466

Garden Plaza Hotel  
215 South Illinois Avenue  
Oak Ridge, TN. 37831  
(423)481-2468 or 1-800-3-GARDEN

Hampton Inn  
208 South Illinois Avenue  
Oak Ridge, TN. 37831  
(423)482-7889 or 1-800-426-7866

Ramada Inn and Suites  
420 South Illinois Avenue  
Oak Ridge, TN. 37831  
(423)483-4371 or 1-800-2-RAMADA

### Knoxville

Club House Inn  
208 Market Place Lane  
Knoxville, TN  
(423) 531-1900

Holiday Inn-Cedar Bluff  
Cedar Bluff Road  
Knoxville, TN  
(423) 693-1011

La Quinta  
309 N. Peters Road  
Knoxville, TN  
(423) 690-9777

Signature Inn - Cedar Bluff  
209 Market Place Lane  
Knoxville, TN  
(423) 531-7444

Red Roof Inn  
Cedar Bluff Road  
Knoxville, TN  
(423) 691-1664